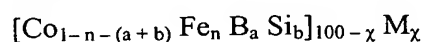


What is claimed is:

1. A soft magnetic Co-based metallic glass alloy with high glass forming ability, which has a supercooled-liquid temperature interval ( $\Delta T_g$ ) of 40 K or more, a reduced glass-transition temperature ( $T_g / T_m$ ) of 0.59 or more and a coercive force of 2.0 A/m or less, said metallic glass alloy being represented by the following composition formula:



, wherein each of a, b and n represents an atomic ratio satisfying the following relations:  $0.1 \leq a \leq 0.17$ ;  $0.06 \leq b \leq 0.15$ ;  $0.18 \leq a + b \leq 0.3$ ; and  $0 \leq n \leq 0.08$ ,

M represents one or more elements selected from the group consisting of Zr, Nb, Ta, Hf, Mo, Ti, V, Cr, Pd and W, and

$\chi$  satisfies the following relation:  $3 \text{ atomic\%} \leq \chi \leq 10 \text{ atomic\%}$ .

2. The soft magnetic Co-based metallic glass alloy as defined in claim 1, which contains 3 atomic% or less of one or more elements selected from the group consisting of P, C, Ga and Ge.